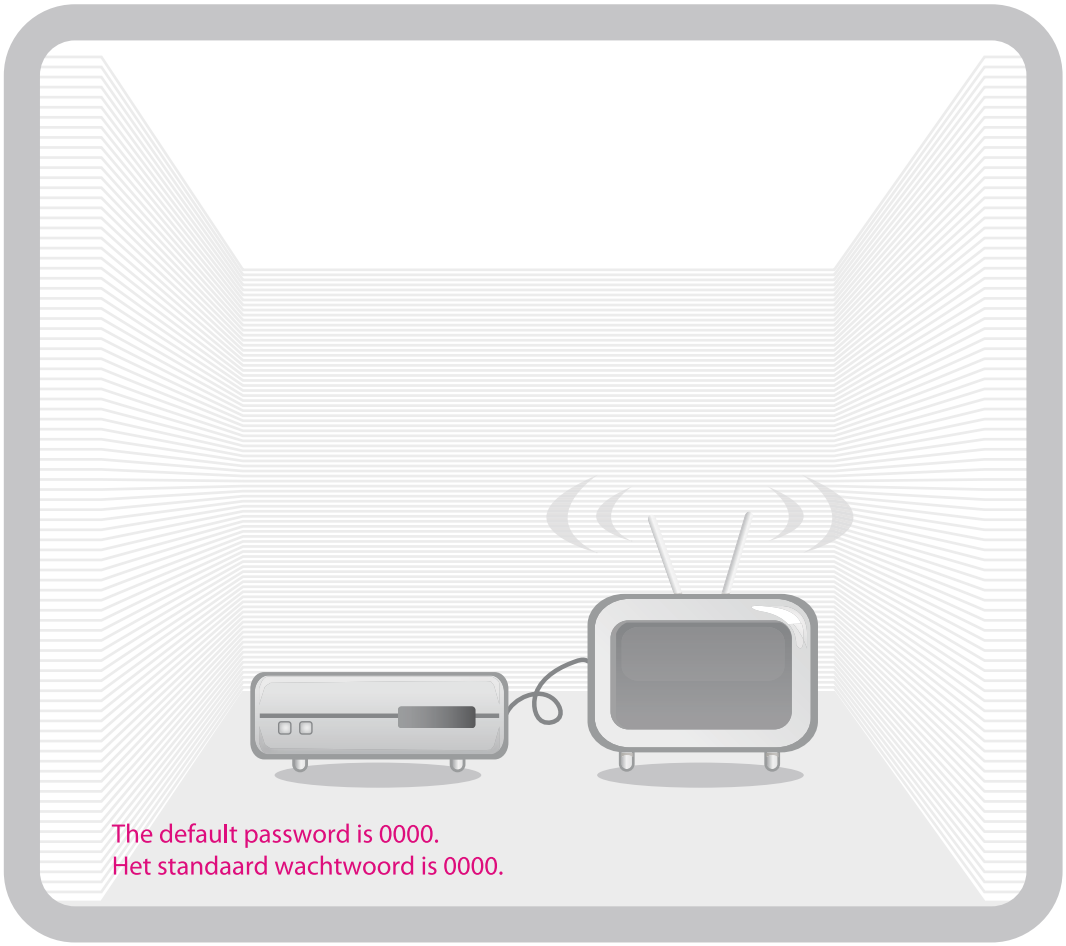
Hard disk recorder for Digital Cable TV
Digitale Televisie Hard Disc Recorder



User's Manual /Gebruikershandleiding

iPVR-9200C

HUMAX
EASY DIGITAL

Notice

Thank you for purchasing a HUMAX product. Please read this user's manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user's manual next to your product for future reference. The information in this user's manual is subject to change without notice.

Copyright (Copyright © 2007 HUMAX Corporation)

Not to be copied, used or translated in part or whole without HUMAX's prior consent in writing except approval of ownership of copyright and copyright law.

Warranty

The warranty does not cover parts which may become defective due to misuse of the information contained in this manual.

Trademarks

- Viaccess is a trademark of France Telecom.
- CryptoWorks is a trademark of Philips Electronics N.V.
- Irdeto is a trademark of Mindport BV.
- Nagravision is a registered trademark of KUDELSKI S.A.
- Conax is a trademark of Telenor Conax AS.
- Manufactured under license from Dolby Laboratories.
  'Dolby' and the double-D symbol are trademarks of Dolby Laboratories.

Notice

Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

- **Warning**
  Indicates a hazardous situation which could result in serious injury.
- **Caution**
  Indicates a situation which could damage the equipment or other apparatus.
- **Note**
  Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

Meaning of Symbols

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates **dangerous voltage** inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Instruction about the 'WEEE' Symbol

This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

- **Domestic users:** Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.
- **Business users:** Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Safety Warning

This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. **MAINS SUPPLY**
   90-250V a.c., 50/60Hz
   - Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
   - Disconnect the product from the mains before you start any maintenance or installation procedures.
2. **OVERLOADING**
   - Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.
3. **LIQUID**
   - The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.
4. **CLEANING**
   - Disconnect the product from the wall outlet before cleaning.
   - Use a light damp cloth (no solvents) to dust the product.
5. **VENTILATION**
   - The slots on top of the product must be left uncovered to allow proper airflow into the unit.
   - Do not stand the product on soft furnishings or carpets.
   - Do not stack electronic equipments on top of the product.
6. **ATTACHMENTS**
   - Do not use any unsupported attachments as these may be hazardous or cause damage to the product.
7. **CONNECTION TO THE CABLE TV SIGNAL**
   - Connect all components before plugging any power cords into the wall outlet. Always turn off the product, TV and other components before you connect or disconnect any cables.
8. **CONNECTION TO THE TV**
   - Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.
9. **LOCATION**
   - Place the product indoors to avoid exposing it to lightning, rain or sun.
   - Do not place it near a radiator or heat register.
   - Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
   - Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.

Safety Warning

- If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

10. LIGHTNING, STORM or NOT IN USE

- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

11. EXTRANEOUS OBJECTS

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

12. REPLACEMENT of PARTS

- When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitution may result in additional damage to the unit.

Warning

1. To avoid damage of the power cord or plug;

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.
- Make sure to disconnect the power cord holding the plug.
- Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- The mains plug, as a disconnection device, shall remain readily accessible by the user.

2. To avoid electrical shock;

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
- Disconnect the power cord in case of lightning.

3. To avoid damage of product;

- Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused to it. Make sure to contact your local product distributor if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or Smartcards. It may cause damage to the product and reduce its life span.

4. Hard Disk Drive

- Do not move the product or turn the power off suddenly while the hard disk drive is running. The company shall not be liable for any corruption of data on the hard disk drive caused by the carelessness or misuse of users.

Contents

1. Before Using the Product GB7
1.1 Package Contents GB7
1.2 Front Panel GB8
1.3 Conditional Access GB9
1.4 Rear Panel GB10
1.5 Remote Control GB11

2. Setup GB14
2.1 Connecting the TV GB14
2.2 Connecting the TV and VCR. GB16
2.3 Connecting the Audio System GB17
2.4 Powering On GB18

3. Installation Wizard GB19
3.1 Language GB19
3.2 Channel Search GB20
3.3 Result. GB20

4. Basic Operation GB21
4.1 Switching Channel GB21
4.2 Volume Control GB21
4.3 Programme Information (i-plate) GB21
4.4 Option List GB23

5. PIP and Time Shifted Recording. GB27
5.1 Picture-in-Picture (PIP) Screen GB27
5.2 Time Shifted Recording (TSR). GB29

6. Recording and Playback GB34
6.1 Instant Recording GB34
6.2 Recording Schedule GB35
6.3 Programme Playback in the Play List GB37
6.4 Chase Play. GB38
6.5 Editing Recorded Programmes GB38
6.6 MP3. . . . . GB41
6.7 Digital Album GB42
6.8 HDD Control GB43
6.9 Recording's Start/End Time GB43
6.10 File Download from PC. GB44

7. Channel List GB45
7.1 Displaying and Switching Channel List GB45
7.2 Edit Channel Lists GB46
7.3 Edit Favourite Channels GB48

Contents

8. Programme Guide GB49
8.1 Viewing Programme Guide Information GB49
8.2 Finding a Programme GB51
8.3 Viewing Reserved Programme GB52

9. Preferences GB53
9.1 Parental Control GB53
9.2 Language Setting GB54
9.3 Time Setting GB56
9.4 A/V Control GB57
9.5 Miscellaneous Settings GB58

10. Installation GB60
10.1 Channel Search GB60
10.2 Default Setting GB62

11. Software Update GB63
11.1 OTA (Over the Air) GB63
11.2 Updating Software from Menu GB64

12. System GB65
12.1 Status GB65
12.2 Signal Detection GB65
12.3 Conditional Access GB66
12.4 Mail Messages GB66

13. Games GB67

14. Menu Map GB68

15. Trouble Shooting GB69
15.1 Trouble Shooting GB69
15.2 Error Message GB71

16. Specification GB72

17. Glossary GB74

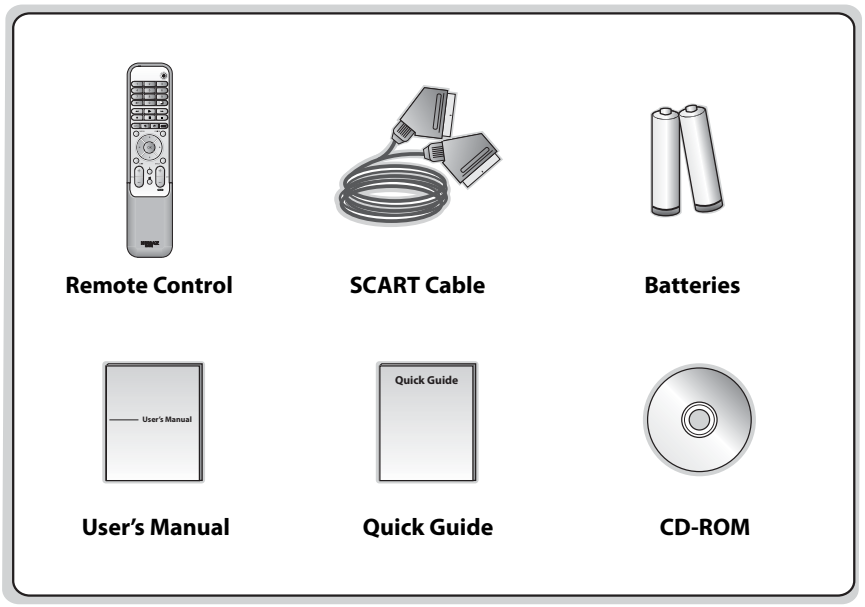
18. Service and Support GB76

1. Before Using the Product

This chapter provides detail instructions on the product and its accessories.

1.1 Package Contents

Please check all package contents before using your product.



Note:

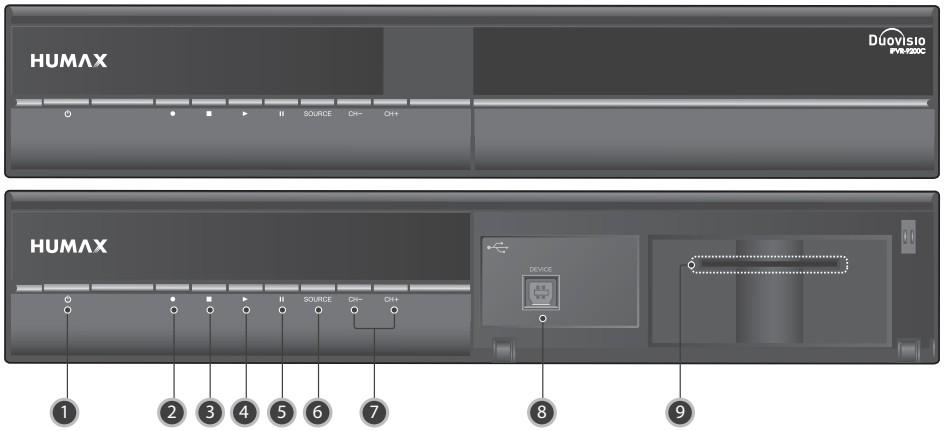
- Faults may occur if the remote control is left without a battery for a long time. Always keep the battery inserted in the remote control.
- Package contents may vary according to area.
- CD-ROM contains USB driver and application.

Warning:

- The company shall not be liable for problems caused by changing hard disk drive by user.
- The company shall not be liable for problems caused by the installation of hard disks bigger than 160GB.

1. Before Using the Product

1.2 Front Panel



1. **STANDBY BUTTON**
   Switches between operation and standby modes.
2. **RECORD BUTTON**
   Records programme.
3. **STOP BUTTON**
   Stops recording
4. **PLAY BUTTON**
   Plays programme.
5. **PAUSE BUTTON**
   Pauses programme.
6. **SOURCE BUTTON**
   Controls the output of TV SCART.
7. **CH-/CH+ BUTTON**
   Moves the TV/radio channel up or down.
8. **USB DEVICE**
   Connect to the PC port. (For moving the information of digital album or MP3 to the PC.)
9. **SMARTCARD SLOT**
   A slot for a Smartcard

Note: The front of the product is subject to change without notice.

1. Before Using the Product

1.3 Conditional Access

Although some TV and radio channels are free to air, most TV and radio/music channels are available on a subscription basis and can only be enjoyed via a Conditional Access component. The Conditional Access component is a removable Smartcard.

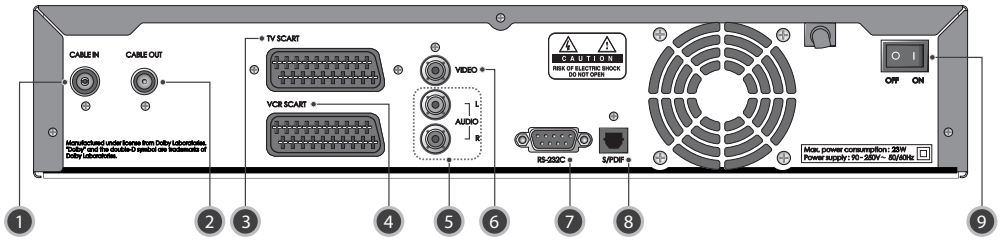
1. Inserting the Smartcard

The Smartcard looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the product. A valid Smartcard entitles you to view and listen to all the channels you choose to subscribe to. The Smartcard slot on the product can be used for Irdeto Smartcard only.

1. Open the right-hand flap on the front panel of the product to expose the card slot.
2. Hold the Smartcard horizontally with the electronic chip (small square-shaped, gold in colour) facing downwards.
3. Insert the Smartcard into the slot.

1. Before Using the Product

1.4 Rear Panel

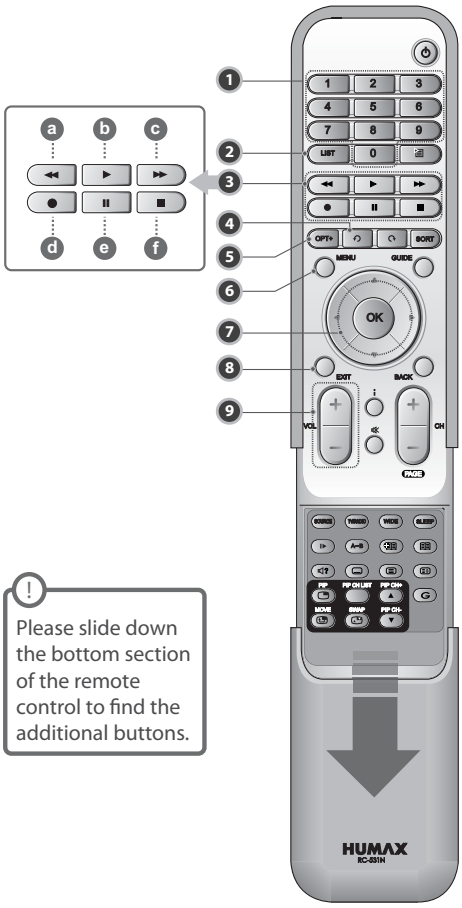


1. **CABLE IN**
   Connects a network cable.
2. **CABLE OUT**
   Connects to the RF IN of the TV or VCR using a RF cable.
3. **TV SCART**
   Connects to the TV using a TV SCART cable.
4. **VCR SCART**
   Connects to the VCR or DVD using a VCR SCART cable.
5. **AUDIO L/R**
   Connects to the TV or VCR using a RCA cable.
6. **VIDEO**
   Connects to the TV or VCR using a RCA cable.
7. **RS-232C**
   Connects a PC for software update.
8. **S/PDIF**
   Connects to the audio system using an S/PDIF cable. (digital audio)
9. **ON/OFF**
   Power on/off.

Note: The rear of the product is subject to change without notice.

1. Before Using the Product

1.5 Remote Control

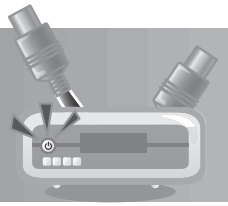


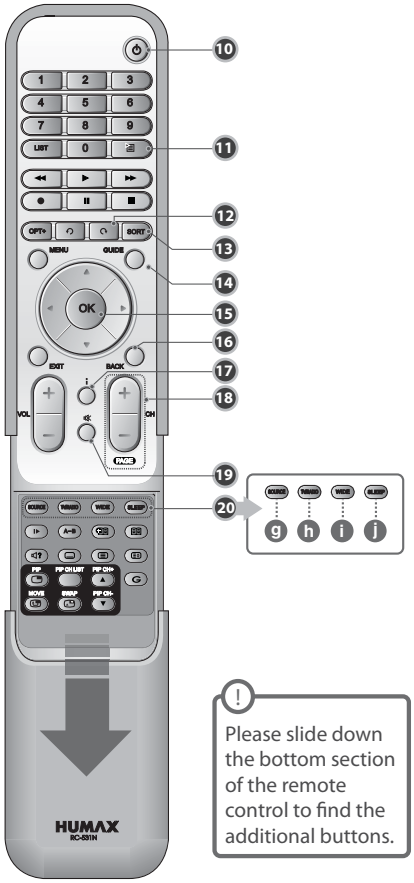
Please slide down the bottom section of the remote control to find the additional buttons.

Note: The remote control is subject to change without notice.

1. **NUMERIC(0-9) BUTTONS**
   Enters a TV/radio channel number or menu option number.
2. **LIST**
   Displays the channel list.
3. **PLAYBACK CONTROL BUTTONS**
   a. **FAST REWIND**
   Rewinds at high speed. Each time you press this button the rewind speed is increased.
   b. **PLAY**
   Plays at normal speed or resumes.
   c. **FAST FORWARD**
   Fasts forward at high speed. Each time you press this button the fast forward speed is increased.
   d. **RECORD**
   Records programme.
   e. **PAUSE**
   Pauses the live programme or recording.
   f. **STOP**
   Stops a recording or goes to the live programme.
4. **INSTANT REPLAY (GREEN)**
   Jumps back and plays from that location.
5. **OPT+ (RED)**
   Displays the channel attributes while watching a programme.
6. **MENU**
   Displays the mian menu.
7. **ARROW BUTTONS**
   Changes the channel or moves the cursor up, down, left or right.
8. **EXIT**
   Exits all On-Screen Display (OSD) screens.
9. **VOL+/VOL-**
   Adjusts the audio volume.

1. Before Using the Product





Please slide down the bottom section of the remote control to find the additional buttons.

10. STANDBY
Switches between operation and standby modes.

11. PLAY LIST
Displays the recorded programme list.

12. INSTANT SKIP (YELLOW)
Jumps ahead in a recording.

13. SORT (BLUE)
Sorts by channel, descending time or ascending time.

14. GUIDE
Displays the programme guide.

15. OK
Selects a menu or confirms the selected operation. Also, displays the channel list while watching a programme.

16. BACK
Closes and returns to the previous menu and screen.

17. i (INFORMATION)
Displays the channel and programme information.

18. CH+/CH- or PAGE+/PAGE-
Changes the channel or page.

19. MUTE
Mutes or unmutes the audio temporarily.

20. Group 20

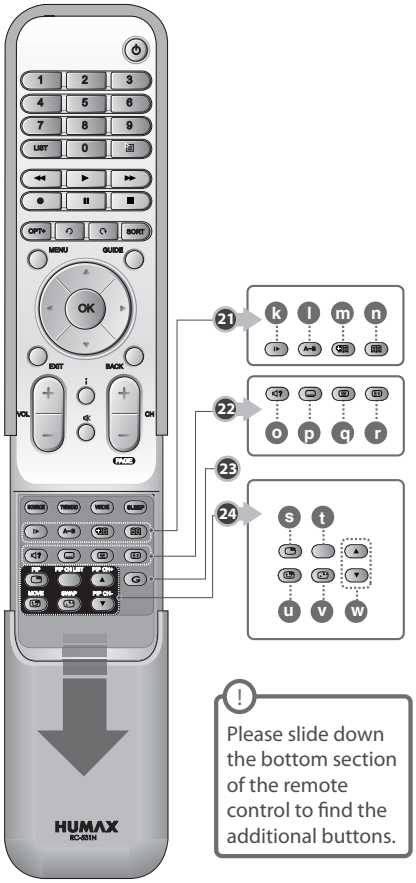
g. SOURCE
Controls the output of TV SCART.

h. TV/RADIO
Switches between TV and radio modes.

i. WIDE
Sets the display format.

j. SLEEP
Sets the sleep time.

1. Before Using the Product



21. Group 21

k. SLOW MOTION
Plays the programme in slow motion. Each time you press this button, speed is slowed progressively more.

l. A-B
Plays back a specified block repeatedly.

m.ADD BOOKMARK
Saves the current viewing position as a bookmark.

n. BOOKMARK LIST
Displays the list of saved viewing positions.

22. Group 22

o. SOUNDTRACK
Displays the soundtrack list.

p. SUBTITLE
Displays the subtitle language list.

q. TELETEXT
Switches between the teletext and TV modes.

r.DOUBLE
Displays the text size as double size.

23. G (Game)
Displays the games.

24.PIP BUTTONS

s. PIP
Displays the PIP (Picture in Picture) screen.

t. PIP CH LIST
Displays the PIP channel list while displaying the PIP (picture in picture) screen.

u.MOVE
Changes the position of the PIP screen.

v. SWAP
Swaps the focus between the main and the PIP screen.

w.PIP CH+/CH-
Changes the PIP channel.

2. Setup

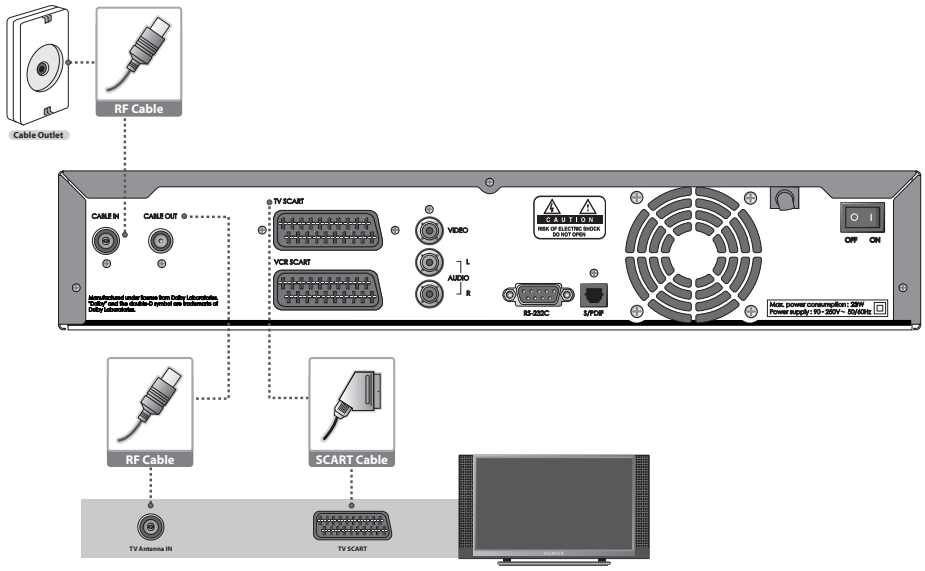
This chapter describes how to connect the product to the TV with the particular equipments for gaining optimum signal quality. The product provides various interfaces to connect to the TV, VCR or other devices. Select the most appropriate procedure depending on the equipment you have.

Note: If you encounter any problems setting up your product, please contact your local product distributor.

2.1 Connecting the TV

1. Using SCART Cable

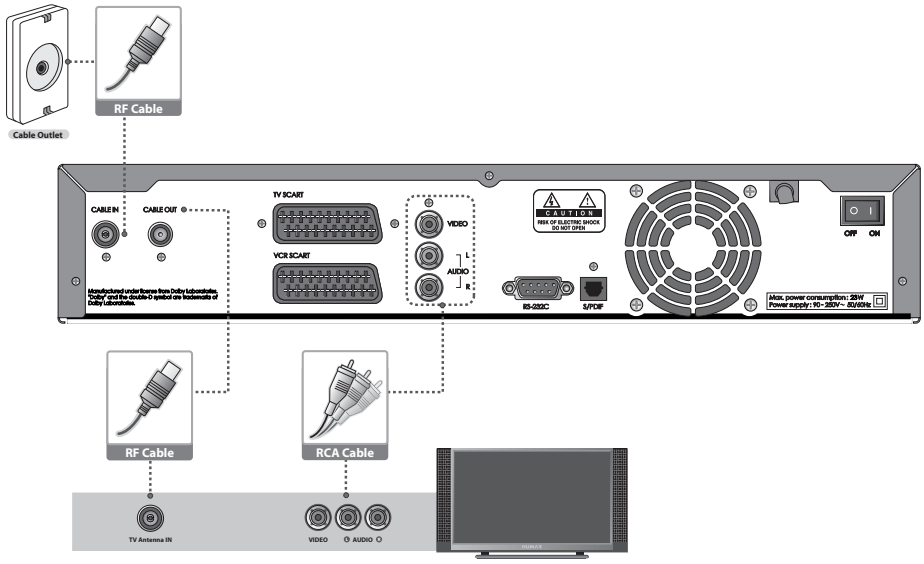
1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using a SCART cable.
3. Connect the product and the TV using a RF cable to watch analogue channels.



2. Setup

2. Using RCA Cable

1. Connect your CATV line to the CABLE IN.
2. Connect the product and the TV using a RCA cable.
3. Connect the product and the TV using a RF cable to watch analogue channels.

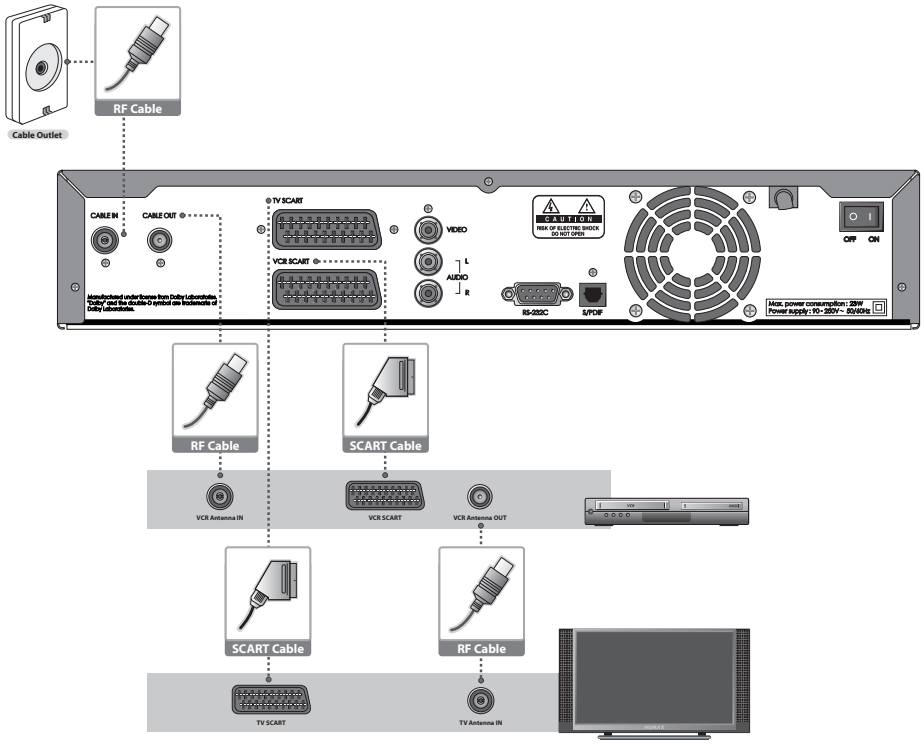


2. Setup

2.2 Connecting the TV and VCR

1. Using SCART Cable

Connect the product and the TV/VCR using a SCART cable.

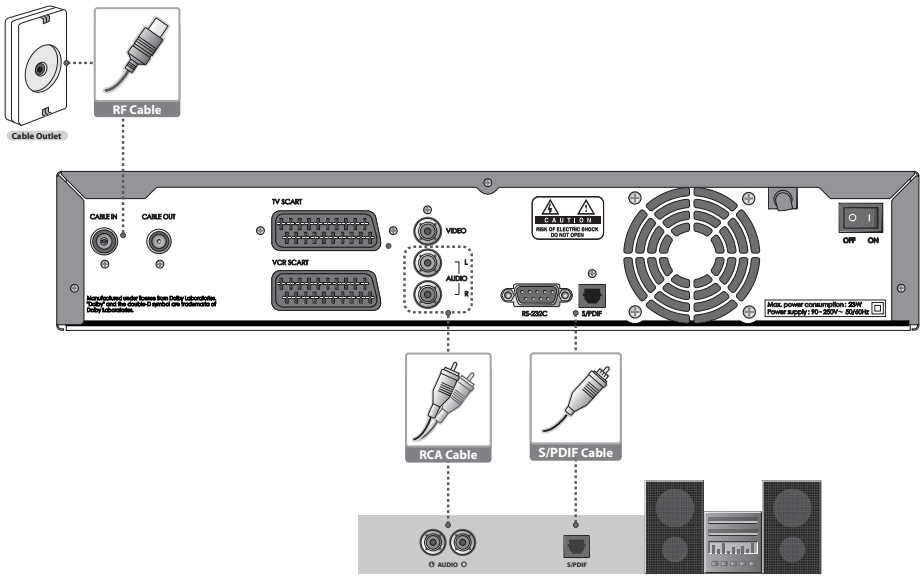


2. Setup

2.3 Connecting the Audio System

Select the most appropriate procedure for your convenience.

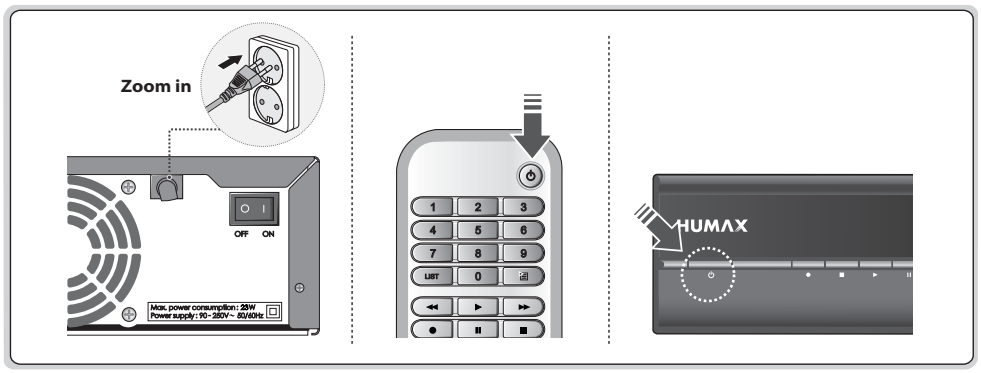
- Connect the product and the audio system using a RCA cable.
- Connect the product and the Dolby Digital decoder for higher quality sound using an S/PDIF cable.



2. Setup

2.4 Powering On

1. Switch your TV on.
2. Connect the power cord of the product to a wall outlet.
3. Turn on the power switch, located at the back left of the product.
4. Power on by pressing the **STANDBY** button of the remote control or the **STANDBY** button at the front of the product.



3. Installation Wizard

When powering on the product for the first time after purchasing, the installation wizard will operate automatically.
You can easily set-up using simple organisation and options and watch the broadcasting after completing the set-up procedure. You can select items using the **NUMERIC(0-9)** buttons.

Note:

- If you press the **BACK** button or select ***Back*** and press the **OK** button while running the installation wizard, you can return to the previous screen.
- The options given of the installation wizard may vary according to area.
- The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

3.1 Language

Select the appropriate language from the list using the ▲/▼ button and press the **OK** button to save the selected language as a default language for menu, subtitle and audio.

3. Installation Wizard

3.2 Channel Search

You can search channels manually.

1. Select ***Frequency*** using the ▲/▼ button and press the **OK** or ▶ button. Enter the value using the **NUMERIC (0-9)** buttons.
2. Select ***Network ID*** using the ▲/▼ button and press the **OK** or ▶ button. Enter the value using the **NUMERIC (0-9)** buttons.
3. Select ***Symbol Rate*** using the ▲/▼ button and press the **OK** or ▶ button. Select a value you want using the ▲/▼ button and press the **OK** or ▶ button. If the required value is not listed, then select ***User Define*** and enter the value using the **NUMERIC(0-9)** buttons.
4. Select ***Next*** and press the **OK** button to start channel search.
5. Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** button.
6. Select ***Save*** and press the **OK** button to save the result and go to the next step.

3.3 Result

Select ***Finish*** in the result screen and press the **OK** button to finish the installation wizard.

Warning: If you exit the install wizard without fully completing the channel searching procedure, you may not have all of the channels available. In this case, you can use the installation menu to search for the channels.

4. Basic Operation

This chapter describes functions such as switching channel, volume control and basic features for watching programmes.

4.1 Switching Channel

You can switch the current channel using one of the following methods.

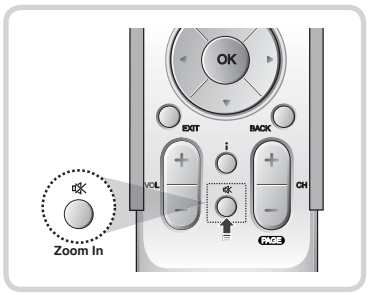
1. Press the **CH+/CH-** or ▲/▼ button .
2. Enter the channel number using the **NUMERIC(0-9)** buttons to move to the channel directly.
3. Press the **TV/RADIO** button to switch between TV channels and radio channels.

Note: You can switch channel using the channel list or programme guide. Please refer to ***Chapter 7. Channel List*** and ***8. Programme Guide*** for more information.

4.2 Volume Control

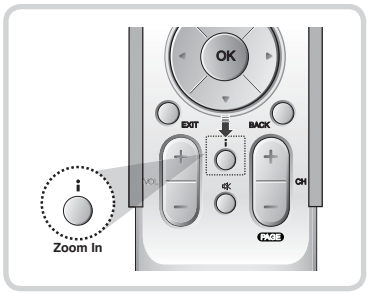
1. Press the **VOL+/VOL-** or ◄/► button to adjust the audio volume.
2. Press the **MUTE** button to stop the audio temporarily.

Note: The mute function remains set while you switch channels.



4.3 Programme Information (i-plate)

Programme information is always displayed for a certain period of time whenever you switch channels. You can view the programme information by pressing the **i** button while watching a programme. Press the **EXIT** button to hide the i-plate.



4. Basic Operation

1. General Information

The general information is displayed on the screen as the following.

1. Channel number and name
2. Programme name
3. Detailed programme information: Displayed if detailed programme information is provided.
4. Current channel list icon
5. Current time
6. Icons

REC1	Displayed only if the programme is recording.
	Displayed only if the programme is reserved.
⑫	Represents parental level. Indicates age classification level-if supplied by the broadcaster
	Displayed only when the channel is a locked channel.
	Displayed only when the channel is a scrambled channel.
	Displayed only when subtitle information is available.
	Displayed only when there is any teletext information.
Digital	Displayed only when the programme is broadcast in Dolby Digital.
4:3	Represents the screen ratio of the programme.

7. Next programme information: Displayed if next programme information is provided. Press the ▶ button to display the next programme information.
8. Programme broadcasting time and progress bar: Displays programme playing time and progress bar.

Note: If there is no programme information available, programme information is not displayed.

4. Basic Operation

2. Detailed Programme Information

You can see detailed information about the current programme. Press the **i** button when the i-plate is displayed to view detailed information.

Note:

- Press the **i** button again to hide the information box.
- If the detail information is more than one page, use the ▲/▼ button to move to the previous/next page.

4.4 Option List

You can set options such as favourite, subtitle, soundtrack and lock.

1. Teletext

When the channel supports teletext, the teletext icon (▤) is displayed on the i-plate.

1. Press the **OPT+** button.
2. Select ***Teletext*** using the ▲/▼ button and press the **OK** or ▶ button.
3. To display teletext menu, press the **MENU** button in teletext mode.
4. Select the teletext function you want using the ◀/▶ button and press the **OK** button.
5. To view the teletext page, use the ▲/▼ button.
6. To view the sub-page, use the ◀/▶ button.

4. Basic Operation

Teletext Functions

Index	Returns to index page. If there is no index page, jump to page 100.
Mix	Adjusts transparency of teletext screen.
Delete	Hides the teletext except page number.
Reveal	Displays the concealed information.
Double Size	Displays the text size as double size.
Page Hold	Holds the current page not updating it.

Note:
- You can also display the teletext by pressing the **TELETEXT** button.
- You can also display the text size as double size using the **DOUBLE** button.

2. Subtitle

You can select the language for the subtitle if the programme provides subtitle information.

1. Press the **OPT+** button.
2. Select ***Subtitle*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select the subtitle language using the ▲/▼ button and press the **OK** button. The subtitle will be displayed in the selected language at the bottom of the screen.
4. Select ***Off*** from the subtitle language list to hide subtitle from the screen.

Note:
- You also can change the subtitle by pressing the **SUBTITLE** button on the remote control.
- You can select a default subtitle language in ***Menu–Preferences–Language Setting–Subtitle Language***.

3. Soundtrack

If the current programme is available in multiple audio languages, you can select the language that you wish to listen to.

1. Press the **OPT+** button.
2. Select ***Soundtrack*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select the audio language using the ▲/▼ button.
4. Select soundtrack direction (left, right, stereo) using the ◀/▶ button.
5. Press the **EXIT** or **SOUNDTRACK** button to exit the soundtrack list.

Note:

- You also can set the soundtrack by pressing the **SOUNDTRACK** button on the remote control.
- You can select the default audio language you want in ***Menu–Preferences–Language Setting–Audio Language***.
- If the programme is broadcast in Dolby Digital, you cannot set the audio direction.

4. Adding a Channel to Favourite Group

You can add the current channel to favourite group immediately. Also, you can add channels to favourite groups.

1. Press the **OPT+** button.
2. Select ***Favourite*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select favourite group using the ▲/▼ button and press the **OK** button to register for favourite group.
4. Press the **OK** button again on the selected favourite group to release the registered channel.
5. Move to the parent menu using the ◀ button to save the changes automatically.

Note: For detailed information about how to change favourite group name and how to register favourite channels from the complete channel list, please refer to ***Chapter 7. Channel List***.

4. Basic Operation

5. Locking/Unlocking a Channel

You can lock or unlock the current channel while watching a programme.

1. Press the **OPT+** button.
2. Select ***Lock/Unlock*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Lock*** option using the ▲/▼ button and press the **OK** button.
4. Select ***Unlock*** option using the ▲/▼ button and press the **OK** button.
5. You will be prompted to enter the password. Enter the password to unlock the channel.
6. Move to the parent menu using the ◀ button to save the changes automatically.

Note:

- When switching to the locked channel, you must enter the password to view the channel.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

5. PIP and Time Shifted Recording

5.1 Picture-in-Picture (PIP) Screen

If you press the **PIP** button on the remote control while watching TV, you can watch two channels at the same time. The audio from the main screen will be outputted.
Each time you press the **PIP** button, the PIP screen moves in order of ***1:6*** → ***1:1*** → ***Normal***, as displayed in the following figure.

1:6 PIP screen

Normal screen

1:1 PIP screen

Note:
- The PIP screen is available only when you are watching TV channels. You cannot use the PIP function for radio channels.
- The teletext is only available on the main screen.

1. Swapping the PIP Screen

This function is available in ***1:6 PIP*** or ***1:1 PIP.***

Press the **SWAP** button on the remote control to swap the main screen for the PIP screen. Press the **CH+/CH-** button to change the main screen channel.

Note: You cannot use the SWAP function in the following cases:
1. When you are watching a radio channel.
2. When the screen displays the channel list, audio and detail information.

5. PIP and Time Shifted Recording

2. Moving the PIP Screen (Only for 1:6 PIP Screen)

Use the **MOVE** button on the remote control to move the position of the PIP screen.

Each time you press the **MOVE** button, the PIP screen moves in the order of of 1→2→3→4, as displayed in the following figure.

3. Switching Channels in the PIP Screen

You can switch the PIP channel.

1. Press the **PIP** button on the remote control to display the PIP screen.
2. Press the **PIP CH+/PIP CH-** button to change the channel on the PIP screen only.
3. To display the PIP channel list, press the **PIP CH LIST** button. Select a channel using the ▲/▼ button and press the **OK** button to change the PIP channel.

5. PIP and Time Shifted Recording

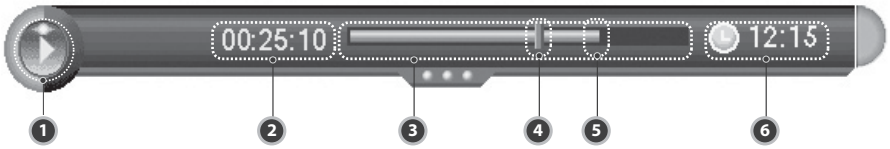
5.2 Time Shifted Recording (TSR)

You can perform TSR (Time Shifted Recording) and other functions similar to VCR functions using the playback control buttons while playing a programme.

The product automatically saves the programme in the embedded hard disk drive temporarily, so that users can pause, play, fast rewind, fast forward, replay, etc. even while watching the currently broadcasting TV programme.

1. Time Bar

If you press the **PLAY** button while watching TV, the time bar information will be displayed. Time bar displays the current operation status, the time gap between the broadcasting point and watching point and the amount of temporarily saved programme.



1. Operation status
2. Watching point time (hh:mm:ss)
3. The amount of saved programme
4. Watching point
5. Broadcasting (Live) point
6. Current time (hh:mm)

2. Pause

If you press the **PAUSE** button on the remote control, the current programme is paused. If you press the **PAUSE** button once again, the programme is resumed from that point.

Note: Pause makes the time gap or delay between the broadcasting (live) point and watching point. The time gap is equivalent to the period the programme was paused. Operations like slow motion and fast rewind also make the time gap. Press the **STOP** button to go to the live programme.

5. PIP and Time Shifted Recording

3. Fast Rewind to Previous Scene

Press the **FAST REWIND** button on the remote control to watch the scene passed by. Each time you press the **FAST REWIND** button, the rewind speed increases. (x 2, x 4, x 16, x 64)

If you press the **PLAY** button, the fast rewind operation stops and the programme is played at normal speed.

Note: You can fast rewind back to the start point. If you reach the start point while rewinding, the programme is automatically played at normal speed from that point.

4. Fast Forward to the Next Scene

Press the **FAST FORWARD** button on the remote control to fast forward the programme. Each time you press the **FAST FORWARD** button, the speed increases. (x 2, x 4, x 16, x 64)

If you press the **PLAY** button, the fast forward operation stops and the programme is played at normal speed.

Note: You can use the fast forward operation only when there is a time gap between the current watching point and the broadcasting (live) point caused by some previous operations such as pause, slow motion or fast rewind. You can fast forward to the current broadcasting point. If the watching point reaches the broadcasting (live) point, the programme is automatically played at normal speed.

5. PIP and Time Shifted Recording

5. Recording

Press the **RECORD** button on the remote control to record the current programme immediately. While the time shift operation records the programme temporarily, this record operation records the programme permanently so you can playback the recorded programme at any time. For more information about recording, refer to ***Chapter 6***. ***Recording and Playback.***

Adjusting the Recording End Time

Press the **RECORD** button while recording to adjust the recording end time. You can adjust the recording end time by -/+10 minutes using the ◄/► button, and then press the **OK** button to change the recording end time and hide the message screen.

6. Additional Time Shift Operations

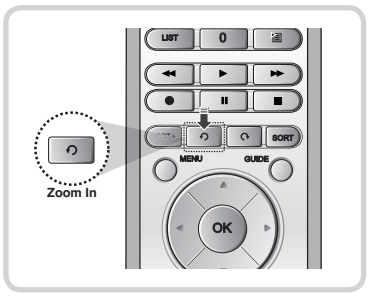
You can perform additional time shift operations using the following buttons on the remote control.

Direct Jump

Press the **PLAY** button while watching TV. If you press the ◄/► button, a moving arrow will appear in the progress bar. Move this arrow to a time point using the ◄/► button to play the programme from the specified time point.
You can also move to the specified time point directly by entering the time you want using the **NUMERIC(0-9)** buttons while playing back a recorded program

Instant Replay

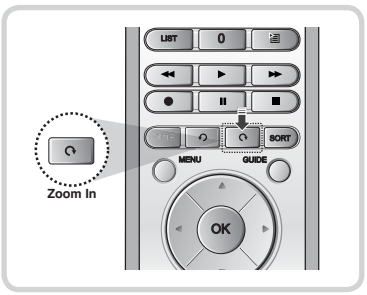
Press the **INSTANT REPLAY** button to jump back and play from that location. When the replay has been completed the programme will play from the current point. Refer to ***9.5 Miscellaneous Settings***.



5. PIP and Time Shifted Recording

Instant Skip

Press the **INSTANT SKIP** button jump ahead in a recording. You can use the skip operation only when there is a time gap between the current watching point and the broadcasting point while using the fast forward operation. If the time gap is less than 30 seconds, the programme is played from the current broadcasting point. Refer to ***9.5 Miscellaneous Settings***.



Slow Motion

Press the **SLOW MOTION** button to play the current programme in slow motion. Each time you press the **SLOW MOTION** button, the speed decreases (x 1/2 , x 1/4, x 1/8). Press the **PLAY** button to stop playing in slow motion and return to normal speed.

Repeat Mode

You can select a specific block within a recorded programme and play it back repeatedly. Press the **A-B** button to set the first repeating position. Select the second position using the ◄/► button. Then the programme plays back the selected block repeatedly. To stop the repeat mode, press the **A-B** button while repeating the selected block.

Press the **STOP** button to stop playing the saved programme and watch the current programme on air.

5. PIP and Time Shifted Recording

Bookmark

You can jump to a position directly using the bookmark in recorded programme playback. Use bookmark to search positions quickly and easily.

- **Adding a bookmark**
  Press the **ADD BOOKMARK** button at a certain position to set a bookmark while playing back a recorded programme.

  Note: The bookmark function is only available for recorded programmes.

- **Deleting a bookmark**
  Press the **BOOKMARK LIST** button after adding a bookmark and select the bookmarked position using the ▲/▼ button. Press the **ADD BOOKMARK** button to delete a bookmark.

  Note: Press the **BOOKMARK LIST** or **EXIT** button to exit the bookmark list screen.

- **Going to a bookmark**
  Press the **BOOKMARK LIST** button. Select the bookmarked position using the ▲/▼ button and press the **OK** button. Then the programme plays from the bookmarked position.

6. Recording and Playback

Using the built-in hard disk drive, you can record a programme without an external media device such as a VCR.

6.1 Instant Recording

Press the **RECORD** button on the remote control to record the current programme instantly. You can select the point you want to record using the ◄/► button. Press the **RECORD** button to start instant recording from that point.

To record another channel, change channels while recording and press the **RECORD** button again. You can record up to two channels simultaneously. While doing so, you can perform TSR (Time Shifted Recording) and view the programmes on air.

If you press the **STOP** button while recording two other channels, you will be prompted to select a recording you wish to stop.

If a reserved recording is about to start while recording two other channels already, you will be prompted to stop one of the currently recording channels.

Notice:

- Ensure that there is enough free space before recording. If the free space on the hard disk drive is insufficient, recording will stop. Recording one hour of programme may require up to 2 or 3GB of hard disk space. The space for recording a 1 hour programme may differ depending on the programme.
- You can record radio programmes also.

6. Recording and Playback

6.2 Recording Schedule

You can set a programme to record automatically in ***Menu–Record–Recording Schedule***.

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Recording Schedule*** using the ▲/▼ button and press the **OK** or ▶ button to display the reserved recording list on the screen.

Note: You can schedule recording easily using the programme guide. Refer to ***Chapter 8. Programme Guide***.

1. Selecting/Unselecting Reserved Programmes

1. Select a programme and press the **GREEN** button. You can select multiple programmes.
2. To unselect the selected programmes, press the **GREEN** button again.

2. Deleting Reserved Programmes

1. After selecting reserved programmes using the **GREEN** button, press the **RED** button.
2. Select ***Yes*** and press the **OK** button to delete the reserved programmes.

6. Recording and Playback

3. Adding a Reservation

1. Press the **YELLOW** button to add a new reservation.
2. Select ***Channel*** and ***Date***. Press the ▶ button to display channel and date lists and select one item using the ▲/▼ button and **OK** button. You can also select a channel using the **NUMERIC(0-9)** buttons.
3. Select ***Start/End Time*** using the ▲/▼ button and press the ◀/▶ button to move back 1 minute or move 1 minute ahead. To change the time using the **NUMERIC(0-9)** buttons, press the **OK** button.
4. Select ***Repeat*** mode among ***ONCE, DAILY, WEEKLY, WEEKDAY (Mon-Fri)*** and ***WEEKEND*** using the ◀/▶ button.
5. Select ***Lock*** mode using the ◀/▶ button.
6. Select ***Save*** and press the **OK** button to save the changes.
7. Select ***Cancel*** and press the **OK** button to cancel the reservation.
8. If the channel is locked, you will be prompted to enter the password to complete the reservation.

Note:

- The recording schedule can be overlapped with up to two other programmes.
- The Power On/Off time can overlap the recording schedule.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

4. Sorting by Time/Name

Each time you press the **BLUE** button, the sorting order of the reserved programmes change in the following sequence: by descending time, by ascending time, by name.

5. Editing a Reserved Programme

1. Select a programme you want to edit and press the **OK** button.
2. For more information about how to edit the information, refer to ***6.2.3 Adding a Reservation***.

6.3 Programme Playback in the Play List

You can playback the recorded programme by pressing the **PLAY LIST** button. You can switch among ***VIDEO (TV), AUDIO (radio)*** and ***Selected Files*** list using the ◄/► button.

1. VIDEO/AUDIO List

1. Select ***VIDEO/AUDIO*** list using the ◄/► button.
2. If you select programmes using the **GREEN** button, the programmes you select will add to ***Selected Files*** list automatically.

Note:
- For more information about ***Delete, Select, Sort*** and ***Play***, refer to ***6.3.2 Selected Files List***.
- ***Move*** are inactivated in ***VIDEO/AUDIO*** list.

2. Selected Files List

1. Select ***Selected Files*** list using the ◄/► button.
2. Select the programmes and press the **GREEN** button to select the recorded programmes. To unselect the selected programmes, press the **GREEN** button again.
3. Select the programmes you want to remove using the **GREEN** button and press the **RED** button to remove the recorded programmes from ***Selected Files*** list.
4. Select the programmes you want to move using the **GREEN** button and press the **YELLOW** button. Move the cursor to the destination using the ▲/▼ button and press the **OK** button. A pop-up will appear. Select ***Yes*** and press the **OK** button.
5. Each time you press the **BLUE** button, the sorting order of the recorded programmes change in the following sequence: by descending time, by ascending time, by name.
6. Select programmes you want to playback using the **GREEN** button and press the **OK** or **PLAY** button to play the recorded programmes. The programmes will be played in the selected order.

Note:
- You also can playback the recorded programme in ***Menu–Record–Recorded Programme***.
- You can playback the programme currently being recorded.
- Certain parts of the programme may blink when playing back a recorded programme in case the recording mode is switched from scramble to descramble or vice versa.

6. Recording and Playback

6.4 Chase Play

You can watch the programme from the beginning as the rest of the programme is simultaneously being recorded.
While recording two channels simultaneously, you can perform TSR (Time Shifted Recording) using the playback control buttons.

Note: You can playback the programme being recorded after it has been recorded for at least 30 seconds.

6.5 Editing Recorded Programmes

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Recorded Programme*** using the ▲/▼ button and press the **OK** or ▶ button. The recorded programme list appears.

Note: The programme being recorded will be added to the recorded programme list after it has been recorded for at least 30 seconds.

1. Selecting/Unselecting Recorded Programmes

1. Select a programme and press the **GREEN** button. You can select multiple programmes.
2. To unselect the selected programmes, press the **GREEN** button again.

2. Deleting Recorded Programmes

1. After selecting reserved programmes using the **GREEN** button, press the **RED** button.
2. Select ***Yes*** and press the **OK** button to delete the recorded programmes.

Note:
- If the protect option of the programme is set to ***Enable***, you cannot delete the programme. Please refer to ***6.5.4 Changing the Attribute***.
- When not using the **GREEN** button, the file the cursor is located at will be deleted.

6. Recording and Playback

3. Editing the Recorded Programme

1. Select a programme and press the **YELLOW** button to edit the recorded programme.
2. A pop-up will appear. Select ***Edit*** and press the **OK** button.
3. You can edit the recorded programme using the following functions.

Note:
- When selecting multiple programmes, ***Edit*** is inactivated.
- You can edit recorded TV (Video) channels only.

Save

You can save the selected recording part as a different file.

Select the starting point using the ◀/▶ button and press the **RECORD** button. Select the ending point using the ◀/▶ button and press the **RECORD** button.

Press the **STOP** button. A pop-up will appear. Select ***Save*** and press the **OK** button to save the selected part.

Select ***Reset*** and press the **OK** button to reset the edit.

Delete

You can delete the selected recording part.

Select the starting point using the ◀/▶ button and press the **RECORD** button. Select the ending point using the ◀/▶ button and press the **RECORD** button.
Press the **STOP** button. A pop-up will appear. Select ***Delete*** and press the **OK** button to delete the selected part.
Select ***Reset*** and press the **OK** button to reset the edit.

Note: You can select several parts simultaneously.

6. Recording and Playback

Split

You can split the recorded programme into separate recordings.

Select the point you want to split using the ◀/▶ button and press the **RECORD** button.

Press the **STOP** button. A pop-up will appear.

Select ***Yes*** and press the **OK** button to split the selected point.

4. Changing the Attribute

1. Select a programme and press the **YELLOW** button to change the attribute of the recorded programme.
2. A pop-up will appear. Select ***File*** and press the **OK** button.
3. Select ***Programme*** in the ***File*** using the ▲/▼ button and press the **OK** or ▶ button to display a keyboard on the screen. Enter the programme name on the keyboard. Select ***OK*** and press the **OK** button to complete.
4. Select ***Protect*** in the ***File*** using the ▲/▼ button and press the **OK** or ▶ button to change ***Enable/Disable***. You have to enter a password to change the status from ***Enable*** to ***Disable***.
5. Select ***Lock*** in the ***File*** using the ▲/▼ button and press the **OK** or ▶ button to change ***Enable/Disable***. You have to enter a password to change the status from ***Enable*** to ***Disable***.
6. After editing, you have to select ***Save*** and press the **OK** button to save your changes.

Displayed when the recording is stopped because of an unexpected error.

Displayed when the channel is protected from deleting and editing.

Displayed when the channel is a locked channel.

Note:
- If the protect option of the programme is set to ***Enable***, you cannot delete the programme.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.
- If the lock option of a programme is configured to ***Enable***, you have to enter a password to playback the programme.

5. Sorting by Time/Name

Each time you press the **BLUE** button, the sorting order of the recorded programmes change in the following sequence: by descending time, by ascending time, by name.

6. Playing Recorded Programmes

1. Select the programme you want and press the **PLAY** button to play the programme in the video preview window.
2. Select the programme you want and press the **OK** button to play the programme.

6.6 MP3

You can enjoy the music or edit the MP3 list in ***Menu–Record–MP3***.

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***MP3*** using the ▲/▼ button and press the **OK** or ▶ button. The MP3 list appears.

1. Playing MP3

Select the file you wish to playback using the ▲/▼ button and then press the **PLAY** or **OK** button.
Press the **STOP** button to stop playing the current file. And press the **PAUSE** button to pause the current file.

2. Downloading MP3 Files

You can download MP3 files stored on the computer via Universal Serial Bus (USB). For more information, refer to ***6.10 File Download from PC***.

6.7 Digital Album

You can view or edit the photos in ***Menu–Record–Digital Album***.

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Digital Album*** using the ▲/▼ button and press the **OK** or ▶ button. The digital album list appears.

1. Digital Image Browsing

Select a image you wish to browse using the ▲/▼/◀/▶ button and then press the **OK** button to enlarge the image.
Press the **PLAY** button to view photos as slide show. Move the previous/next screen using the ◀/▶ button.

Note:
- Press the **BACK** button to thumbnail screen.
- Press the **EXIT** button to exit the menu and return to the current programme.

2. Downloading Photos

You can download photos (only JPEG files) stored on the computer via Universal Serial Bus (USB). For more information, refer to ***6.10 File Download from PC***.

6. Recording and Playback

6.8 HDD Control

You can check the free space of the hard disk drive and format (erase) the disk drive if necessary.

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***HDD Control*** using the ▲/▼ button and press the **OK** or ▶ button.
4. You can check the free, occupied space, reserved and total space of the HDD.
5. Select ***Format*** and press the **OK** button to remove all the recorded programmes saved on the HDD and initialise the HDD.
6. Select ***Yes*** when the format confirmation message appears and enter a password to start formatting the HDD.

Note:

- The format deletes all the recorded programmes saved on the HDD including TV, radio, MP3s and photos. Formatting does not delete the system files of the product.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.
- A certain amount of space is reserved for TSR and PIP.

6.9 Recording's Start/End Time

You can set the start/end time of recording.

1. Press the **MENU** button.
2. Select ***Record*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Recording's Start/End Time*** using the ▲/▼ button and press the **OK** or ▶ button.
4. Select the time using the ▲/▼ button and press the **OK** button.

6. Recording and Playback

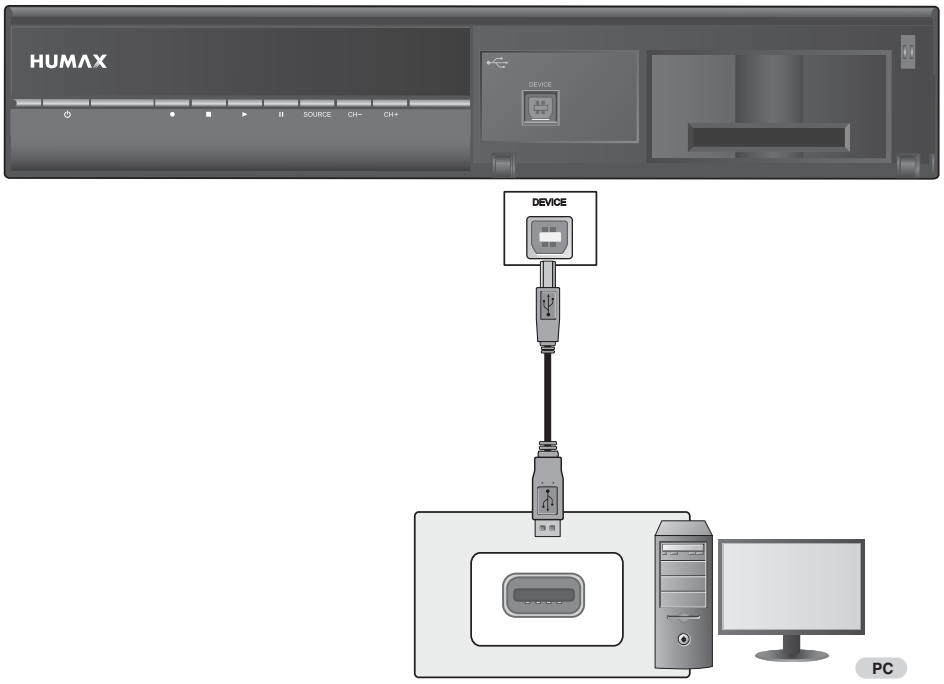
6.10 File Download from PC

You can enjoy the music and view the photos by downloading the files from your PC with 'Media-e linker' programme. (USB cables used for external HDDs are purchasable.)

Follow the instructions to download files:

1. Double-click 'Media eLinker Setup.exe' on the CD-ROM to install the USB driver and application programme. You can also download the setup file from www.humaxdigital.com.
2. Connect the USB on the product to the USB on the PC using a USB cable.
3. Double-click 'Media eLinker.exe' to start the USB application.

For more information about how to use Media eLinker, refer to the readme file on the CD-ROM.



7. Channel List

Three types of channel lists are provided for easy and quick channel browsing.

TV	The list of all TV channels.
Radio	The list of all radio channels.
Favourite	You can create five favourite lists for quick and easy access to the channels you watch more often. Using this feature, you can skip the channels you rarely or never watch.

7.1 Displaying and Switching Channel List

You can display the channel list using **LIST** button and switch to another channel on the channel list. You can also display the channel list by pressing the **OK** button.

1. Press the **LIST** button while watching a programme to display the channel list.
2. Select a channel using the ▲/▼ button and press the **OK** button to change the channel.
3. Enter the channel number directly using the **NUMERIC(0-9)** buttons to move the cursor to the channel you want. And then press the **OK** button to change to the selected channel.
4. Press the ◄/► button to change a channel list group while the channel list is displayed.

Note:

- If there are multiple channels, press the **PAGE+/PAGE-** button to move by page.
- Whenever you press the **TV/RADIO** button while the channel list is displayed, the channel list will switch between TV and radio channel lists.
- To display the scramble icon ( ) in the channel list, select ***ON*** in ***Menu-Preferences-Miscellaneous Settings-Option in CH List***.
- The favourite lists will only appear if you have created them first.
- Each time you press the **BLUE** button, the sorting order of the channel change in the following sequence: by channel number, by name (Alphabetical), Unsorted(in the favourite channel list).

7. Channel List

7.2 Edit Channel Lists

You can edit all channels or each channel by channel list group.

1. Press the **MENU** button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Edit Channel Lists*** using the ▲/▼ button and press the **OK** or ▶ button.
4. You will be prompted to enter the password. Enter the password using **NUMERIC(0-9)** buttons.

Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu, press the **MENU** or **EXIT** button to exit the menu screen.
- You can easily navigate all menus using the assigned number for each menu. Press ***Menu-3-1*** in oder to select ***Edit Channel Lists***.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

1. Selecting a Channel Group

You can select the channel list group to edit. TV and radio sub-groups can be selected.

1. Press the **OK** or ▶ button in group.
2. Select the group using the ▲/▼ button and press the **OK** button.

Note:

- Press the **TV/RADIO** button to move to the TV or radio channel list directly.
- To edit ***Favourite Channel List***, move to ***Menu–Edit Channels–Edit Favourite Channels***.

7. Channel List

2. Locking/Unlocking Channels

You can lock or unlock one or more channels.

1. Move the cursor to the channel list using the ◄/► button.
2. Select a channel using the ▲/▼ button and then press the **OK** button. You can select multiple channels.
3. Select ***Lock*** using the ► button and press the **OK** button.

Note:

- When the locked channel(s) is selected or all channels are locked, ***Lock*** is switched to ***Unlock***. When you select ***Unlock*** and press the **OK** button, locked channel is switched to an unlocked channel.
- Enter the password using the **NUMERIC(0-9)** buttons to watch locked channels.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

3. Selecting/Unselecting All Channels

You can select or unselect all channels together.

1. Select ***Select All*** and press the **OK** button to select all channels.
2. Select ***Unselect All*** and press the **OK** button to unselect all the selected channels.

7. Channel List

7.3 Edit Favourite Channels

You can edit Favourite channel or Favourite channel list.

1. Press the **MENU** button.
2. Select ***Edit Channels*** using the ▲/▼ button and press the **OK** button.
3. Select ***Edit Favourite Channels*** using the ▲/▼ button and press the **OK** or ▶ button.
4. You will be prompted to select a favourite group. Select a favourite group to edit using the ▲/▼ button and press the **OK** button.

Note:

- Press the **BACK** or ◀ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to save changes and to exit the menu screen.
- You can easily navigate all menu items using the assigned number for each menu. Press ***Menu–3–2*** in order to select ***Edit Favourite Channels***.

The buttons for editing the Favourite channel list are described in the following table.

	Add	Adds favourite channel.
	Remove	Removes from the favourite channel.
	TV/RADIO	Switches between TV and radio channel list.
	Fav.Group	Changes favourite channel list group.
	Rename	Renames the name of favourite channel list.
abc	**Sort**	Sorts channels by number or name in all TV/radio channel list.
	Unselect All	Unselects all the selected channel.

8. Programme Guide

The programme guide displays programme information about each channel, based on the date and time. You can also schedule your recording using the information given.

Note: Press the **BACK** , **EXIT** or **GUIDE** button to exit the guide screen.

8.1 Viewing Programme Guide Information

You can view programme information for all channels.

1. Press the **GUIDE** button.
2. Move to previous/next programme within the same channel using the ◄/► button.
3. Move back 2 hours or move 2 hours ahead within the same channel using the **FAST REWIND** or **FAST FORWARD** button.
4. Move to another channel using the ▲/▼ button. If there are multiple channels, use the **PAGE+/PAGE-** button to move to channels by page. Also, you can enter the channel number using the **NUMERIC(0-9)** buttons on the remote control to move to the channel directly.
5. Select a programme and press the **OK** button. Then you can watch the programme if it is on air or reserve it if it is the future programme.
6. Press the **i** button in the selected programme to view the detailed information (if available) of the selected programme.

1. Viewing Guide Information by Channel List Groups

You can view programme information of the selected channel list by groups.

1. Press the **GUIDE** button.
2. Press the **RED** button to display the channel list group.
3. Select a channel list group using the ▲/▼ button.
4. Move the cursor to the sub-group using the ► button, select a sub-group using the ▲/▼ button and then press the **OK** button. The programme guide for the selected channel list is displayed.

8. Programme Guide

2. Viewing Programme Information Using Time Bar

You can quickly search the time zone using the time bar.

1. Press the **GUIDE** button.
2. Press the **GREEN** button to display time bar.
3. Select the each button using the ◀/▶ button and press the **OK** button to move the time bar. If you press the button repeatedly, the same operation is repeated.
4. You can also use the **FAST REWIND** and **FAST FORWARD** buttons on the remote control.
5. Each button functions as follows.

Now	Moves to the current programme where the cursor is located.
◀	Moves back to the previous programme or 30 minutes before.
▶	Moves forwards to the next programme or 30 minutes ahead.
◀◀	Moves back to 2 hours before.
▶▶	Moves forwards to 2 hours ahead.
◀ **Day**	Moves back to one day before.
Day ▶	Moves forwards to one day ahead.

6. Select button and press the **OK** button to exit the time bar.

3. Scheduling Recording

You can automatically schedule recording in the scheduled programme and pressing the **OK** button.

Select the programme and press the **OK** button to complete reservation. The icon will be displayed. Press the **OK** button again to cancel reservation.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

8. Programme Guide

8.2 Finding a Programme

You can sufficiently find the programme you want by programme name or genre.

1. Press the **GUIDE** button.
2. Press the **BLUE** button.
3. Enter the programme name directly using the keyboard displayed on the screen.
4. When entering programme name is complete, select ***Find*** and press the **OK** button.

Note:

- Select the ▲/▼/◄/► button and then press the **OK** button to enter the programme name on the keyboard screen.
- If you select ***Previous*** or ***Next*** on the keyboard displayed on the screen and press the **OK** button, the keyboard layout is switched.

5. Select ***By Genre*** and press the **OK** button to search programme by genre.
6. Select the genre using the ▲/▼/◄/► button and press the **OK** button.
7. If you select a programme from ***Found Programme List*** screen and press the **OK** button, you can watch the programme if it is on air or reserve it if it is the future programme. If you want to find another programmes, press the **BACK** button to display the keyboard screen.

Note:

- Each time you press the **BLUE** button, the sorting order of the found programmes change in the following sequence: by channel, by descending time, by ascending time.
- ***Found Programme List*** may differ depending on the provided programme information.

8. Programme Guide

8.3 Viewing Reserved Programme

You can add or edit recording-reserved programmes using the schedule screen.

1. Press the **GUIDE** button.
2. Press the **YELLOW** button.

Note: For more information about how to add or edit a reservation, refer to ***6.2 Recording Schedule***.

9. Preferences

You can set censorship and all other items suitable for your environment.

Note:
- Press the **BACK** or ◄ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit from the menu screen.
- You can easily select all menu items using the assigned number for each menu.

9.1 Parental Control

You can set parental control for each programme and change the password.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Parental Control*** using the ▲/▼ button and press the **OK** or ▶ button.
4. When prompting message is displayed to ask password, enter the password using the **NUMERIC(0-9)** buttons.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

1. Censorship Classification

Censorship Classification allows you to block programmes according to the age level you have set.

1. Select ***Censorship Classification*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select the required age level using the ▲/▼ button and press the **OK** button.

Note:
- You have to enter the password to watch the programme which is blocked by the age level.
- The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

9. Preferences

2. Change Password

You can change the current password.

1. Select ***Change Password*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Enter ***New Password*** using the **NUMERIC(0-9)** buttons, select ***OK*** and press the **OK** button.
3. Enter the new password again to confirm ***Verify Password*** and select ***OK*** and press the **OK** button.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

9.2 Language Setting

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Language Setting*** using the ▲/▼ button and press the **OK** or ▶ button.

1. Menu/Audio/Subtitle Language

You can set the language for menu, audio and subtitle.

1. Select ***Menu/Audio/Subtitle Language*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select a language using the ▲/▼ button and press the **OK** button.

9. Preferences

2. Audio Priority

You can select the priority of audio.

1. Select ***Audio Priority*** using the ▲/▼ button.
2. Select from ***PCM*** and ***Dolby Digital*** using the **OK** or ▶ button.

PCM	You can listen to stereo audio.
Dolby Digital	You can listen to audio in Dolby Digital mode.

Note: You can choose the Dolby Digital audio stream whenever possible by selecting ***Dolby Digital*** in ***Audio Priority***.

3. Subtitle Display

You can select to display the subtitle automatically or not.

1. Select ***Subtitle Display*** using the ▲/▼ button.
2. Select from ***Auto*** and ***Manual*** using the **OK** or ▶ button.

Auto	Subtitles are displayed automatically in the predefined subtitle language.
Manual	Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE** button on the remote control.

4. Subtitle Font

You can select the subtitle font.

1. Select ***Subtitle Font*** using the ▲/▼ button.
2. Select from ***Variable*** and ***Fixed*** using the **OK** or ▶ button.

Variable	Uses the horizontally variable subtitle font.
Fixed	Uses the fixed subtitle font.

9. Preferences

9.3 Time Setting

You can specify the current time and Power On/Off time.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Time Setting*** using the ▲/▼ button and press the **OK** or ▶ button.

1. GMT Offset

The default value is ***Auto***.

2. Power On

You can set the time when the product is automatically powered on.

1. Select ***Power On*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Enable	Uses Power On and sets the Power On time.
Disable	Does not use Power On.

3. When you have selected ***Enable***, enter ***Channel No***. and ***Time*** using the **NUMERIC(0-9)** buttons and select ***OK*** and press the **OK** button.

3. Power Off

You can set the time when the product is automatically powered off.

1. Select ***Power On*** using the ▲/▼ button.
2. Select ***Enable/Disable*** using the **OK** or ▶ button.

Enable	Uses Power Off and sets the Power Off time.
Disable	Does not use Power Off.

3. When you have selected ***Enable***, enter ***Time*** using the **NUMERIC(0-9)** buttons and select ***OK*** and press the **OK** button.

Note:

- Once Power On/Off is specified, it is repeated everyday.
- You can set the time when the product is automatically powered on/off overlapped with a recording schedule.

9. Preferences

9.4 A/V Control

You can set the audio or video output control.

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***A/V Control*** using the ▲/▼ button and press the **OK** or ▶ button.

1. TV-SCART

You can set the TV SCART output.

1. Select ***TV-SCART*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option among ***CVBS, RGB*** and ***S-Video*** using the ▲/▼ button and press the **OK** button.

2. VCR-SCART

You can set the VCR SCART output.

1. Select ***VCR-SCART*** using the ▲/▼ button.
2. Select from ***CVBS*** and ***S-Video*** using the **OK** or ▶ button.

3. Audio Output

You can set the the audio output.

1. Select ***Audio Output*** using the ▲/▼ button.
2. Select from ***Stereo*** and ***Mono*** using the **OK** or ▶ button.

4. Screen Ratio

You can set the aspect ratio of your TV.

1. Select ***Screen Ratio*** using the ▲/▼ button.
2. Select from ***4:3*** and ***16:9*** using the **OK** or ▶ button.

9. Preferences

5. Display Format

You can select the display format according to the TV screen ratio.

1. Select ***Display Format*** using the ▲/▼ button and press the **OK** or ▶ button.
2. If the screen ratio is set to ***4:3***, you can select an option among ***16:9 Letter Box, 14:9 Letter Box, Center Mode*** and ***Auto*** using the ▲/▼ button and press the **OK** button.
3. If the screen ratio is set to ***16:9***, this item will display ***Auto***.

9.5 Miscellaneous Settings

1. Press the **MENU** button.
2. Select ***Preferences*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Select ***Miscellaneous Settings*** using the ▲/▼ button and press the **OK** or ▶ button.

1. i-Plate Display Time

You can set the duration of the information box to be displayed.

1. Select ***i-Plate Display Time*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select an option between 1 ~ 20 seconds using the ▲/▼ button and press the **OK** button.

Note: When it is set to ***Disable***, the i-plate will not be displayed when the channel is switched.

2. OSD Transparency

You can set the transparency of On Screen Display.

1. Select ***OSD Transparency*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select one option among ***Disable, 25, 50*** and ***75*** using the ▲/▼ button and press the **OK** button.

Disable	Fully opaque screen
25, 50, 75	The bigger the number, the more transparent the screen.

9. Preferences

3. Option in Channel List

You can set whether or not to display the scrambled icon in channel list.

1. Select ***Option in CH List*** using the ▲/▼ button.
2. Select ***On/Off*** using the **OK** or ▶ button.

On	Scramble icon is displayed in the i-plate and channel list.
Off	Scramble icon disappears from the i-plate and channel list.

4. Instant Replay Time

You can make the current programme go back 7, 15 or 30 seconds.

1. Select ***Instant replay time*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select one option among ***7, 15*** and ***30*** using the ▲/▼ button and press the **OK** button.

5. Instant Skip Time

You can skip 15,30 or 60 seconds of the unwanted scenes.

1. Select ***Instant skip time*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select one option among ***15, 30*** and ***60*** using the ▲/▼ button and press the **OK** button.

10. Installation

This chapter describes how to search for channels and other series of procedures.

Note:
- Press the **BACK** or ◄ button to save the changes and return to the previous menu. Press the **MENU** or **EXIT** button to exit from the menu screen.
- You can easily select all menu items using the assigned number for each menu.

10.1 Channel Search

If your product is connected to the cable and TV, you can search channels manually by searching parameters, if you know the MUX information.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button. You will be prompted to enter your password.
3. Select ***Channel Search*** using the ▲/▼ button and press the **OK** or ▶ button.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

1. Frequency

1. Select ***Frequency*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Enter the frequency using the **NUMERIC(0-9)** buttons.

10. Installation

2. Network ID

Select ***Network ID*** using the ▲/▼ button and press the **OK** or ▶ button. Enter the value using the **NUMERIC(0-9)** buttons.

3. Symbol Rate

1. Select ***Symbol Rate*** using the ▲/▼ button and press the **OK** or ▶ button.
2. Select a value you want using the ▲/▼ button and press the **OK** or ▶ button. If the required value is not listed, then select ***User Define*** and enter the value using the **NUMERIC(0-9)** buttons.

4. Search

Select ***Search*** and press the **OK** button to start channel search.

Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** button.

Select ***Save*** and press the **OK** button to save the result.

10. Installation

10.2 Default Setting

Default setting restores the product to the default settings.

Warning: Please note that once you perform default setting, all data such as channel list and user configured data are deleted, no information on the HDD will be lost.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select ***Default Setting*** using the ▲/▼ button and press the **OK** or ▶ button.
5. Select ***Yes*** and press the **OK** button to restore all setting to factory default. Select ***No*** and press the **OK** or **BACK** button to return to the previous menu.
6. Confirm again to start loading default setting. Enter the password using the **NUMERIC(0-9)** buttons to perform restoring.
7. When completing the default setting, press the **OK** button to automatically run the installation wizard.
   For detailed information about the installation wizard, refer to ***Chapter 3. Installation Wizard***.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

11. Software Update

In order to maintain proper performance of the product, it is essential to have the most up-to-date software. Visit the Humax website to check the latest news and newly released software versions.

http://www.humaxdigital.com.

It is recommended that you periodically check for the availability of software update.

11.1 OTA (Over the Air)

OTA, an abbreviation of Over–the-Air, is a standard for the transmission of software through a broadcast system.

The manufacturers reserve the right to decide when and where an update is made available. The new software version is then downloaded via cable. The software update via cable will only occur under the following circumstances.

1. The equipment should have appropriate loader software.

Caution: Please note that if normal loader software is not equipped, the product may not be updated or operate properly after software update.

2. The manufacturer transmits the software via cable. The new version of the software is generally detected automatically.

Caution:
- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, fatal damage may be caused to the product.
- Please be careful not to pull out the signal line (co-axial cable) during software update. Update may be interrupted and the product may not operate.

Note:
- Other functions will not activate while software update takes place.
- It may take 5 ~10 minutes to update software.
- Scheduling operation cannot work during software update.

11. Software Update

11.2 Updating Software from Menu

You can set update software automatically.

1. Press the **MENU** button.
2. Select ***Installation*** using the ▲/▼ button and press the **OK** or ▶ button.
3. Enter the password using the **NUMERIC(0-9)** buttons.
4. Select ***Software Update*** using the ▲/▼ button and press the **OK** or ▶ button.
5. Automatically search for new software. Select ***Cancel*** and press the **OK** button to finish search.
6. When detecting software update, the following result is displayed.
7. Select ***Yes*** and press the **OK** button to start updating. Select ***No*** and press the **OK** button to return to the previous menu without updating.
8. When completing the software update, the product is automatically powered off and on again.

Note: The default password is **0000**. If you have forgotten the password, please contact your local product distributor.

12. System

You can view all system information, signal detection, Conditional Access and mail messages.

1. Press the **MENU** button.
2. Select ***System*** using the ▲/▼ button and press the **OK** or ▶ button.

12.1 Status

You can view system information.

Select ***Status*** using the ▲/▼ button and press the **OK** or ▶ button.

12.2 Signal Detection

You can view the signal strength and signal quality of the channel that is currently on AV.

Select ***Signal Detection*** using the ▲/▼ button and press the **OK** or ▶ button.

12. System

12.3 Conditional Access

You can view the current status of the Conditional Access.

Select ***Conditional Access*** using ▲/▼ button and press the **OK** or ▶ button.

12.4 Mail Messages

You can view the message.

Select ***Mail Message*** using the ▲/▼ button and press the **OK** or ▶ button.

13. Games

Provides various games for user's entertainment.

1. Press the **G** button.
2. According to the instruction displayed on screen, you can enjoy the game using the ▲/▼/◄/► and **OK** button.

Note: Press the **EXIT** or **BACK** button to exit the game.

14. Menu Map

 Record	1. Recorded Programme 2. Recording Schedule 3. MP3 4. Digital Album 5. HDD Control 6. Recording's Start Time 7. Recording's End Time
 Preferences	1. Parental Control 2. Language Setting 3. Time Setting 4. A/V Control 5. Miscellaneous Settings
 Edit Channels	1. Edit Channel Lists 2. Edit Favourite Channels
 Installation	1. Channel Search 2. Software Update 3. Default Setting
 System	1. Status 2. Signal Detection 3. Conditional Access 4. Mall Messages

15. Trouble Shooting

15.1 Trouble Shooting

Before contacting your local service centre, please read the tips below carefully. If the problem persists after completing the following procedure, please contact your local product distributor or service centre for further instructions.

1. **No message displayed on the front panel. (The product will not switch on.)**
   - Check the main power cable and make sure it is plugged into a suitable power outlet.
   - Check that the mains supply is switched on.
   - Check that the power switch is on at the rear of the product. (where applicable)
   - Connect the power cable to a different power outlet.
2. **No picture on TV set**
   - Make sure that the product is powered on and in operation mode. (Press the STANDBY button)
   - Make sure that the AV cable is firmly connected to the TV.
   - Make sure that the cable is properly connected to the product.
   - Be sure to activate channel search.
   - Check the brightness level of the TV.
   - Check if the channel is currently on air. Contact the broadcaster to ensure that the channel is running.
   - Press the SOURCE button if the product is in external input mode.
3. **No or poor sound**
   - Check that your AV cable is connected correctly.
   - Check the volume levels of your TV set and the product.
   - Check if the product or TV is on mute.
   - Check audio type or soundtrack option in the AV menu.
4. **Remote control does not operate.**
   - To control the product, the top end of the remote control should point directly towards the receiving part of the product.
   - Remove and reinsert the batteries in the remote control.
   - Replace the batteries in the remote control for a new set.
5. **Cannot make reservations.**
   - Check that no previous reservations are conflicting with the new reservation.
6. **No password information is given.**
   - The default password is always **0000**.
7. **Channel search does not work.**
   - Check that your cable is connected correctly.

15. Trouble Shooting

8. Cannot update new software.
- You can get an update. If the product does not show a message requesting update, that means no software is available.

9. Cannot watch scrambled channels.
- Check that you have the appropriate Smartcard. Reinsert the Smartcard and make sure it initializes correctly.
- Check in the menu that the product is detecting the Smartcard.
- Check in the menu that you have a valid and working subscription to the channels you wish to view.
- Ensure that the Smartcard is not damaged.

10. Cannot watch pay channels.
- Check in the menu that you have a valid and working subscription to the channels you wish to view.
- Contact your network operator for more information.

11. Cannot record progammes.
- The hard disk is full. Delete unnecessary programmes and make space for new recording.
- Check if recording is overlapped with another channel. Stop the current recording or wait until the recording is finished.

12. Cannot operate the TSR (Time Shifted Recording)
- The TSR may not be available during the recording. Wait until the recording is finished.
- Delete unnecessary programmes and make space for new recording.

13. The product makes a humming noise.
- The noise is from the fan; the hard disk is operating normally. This kind of noise is inevitable but seldomly noticeable.

14. Cannot playback.
- The signal during the recording may be weak or the hard disk too full.

15. Cannot change channel while recording.
- Certain channels may not be changed due to restriction of the tuner type.

15. Trouble Shooting

15.2 Error Message

Error message	Possible causes	What to do
Please Insert Smartcard	The Smartcard is not present	Insert the Smartcard.
Unknown Smartcard	Faulty Smartcard or not an Irdeto Smartcard.	Insert the appropriate Smartcard. Contact the product distributor if the problem persists.
Smartcard Failure	The current Smartcard may be faulty.	Insert the appropriate Smartcard. Contact the product distributor if the problem persists.
Checking Smartcard	The Smartcard is being verified. It may be inserted up-side down.	
Service is currently scrambled	The Smartcard has expired or the datecode on the card has gone backwards.	Check Smartcard. Contact the product distributor if the problem persists.
Service Unknown	No service is located at the entered channel number.	
Service is currently not running	Operating status of the service is set to Off.	
Parental Control Lock	When the parental rating of the event is greater than the setting made via the Parental Control menu.	Enter the PIN-code or reset the settings.
No Event Information	The information for the current event or service has not been received.	
No Signal	The signal is too weak.	Reset the cable.
No Service available	There are no services available.	Reset the setting and restart channel search.

16. Specification

Tuner & Channel	
Input Connector	IEC 169-2 female
Frequency Range	47 MHz to 862 MHz
Input Impedance	75 Ω
Signal Level	-13 to +15 dBmV
Demodulation	QAM
Input Symbol Rate	1.5-7 Ms/s
Constellation	16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818
Profile Level	MPEG2 MP@ML
Input Rate	15 Mbit/s Max
Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Single /Dual mono/ Stereo /Joint stereo
A/V & Data In/Out	
Video	RCA/TV SCART/VCR SCART Video Output (CVBS, S-Video, RGB)
Audio L/R	RCA/TV SCART/VCR SCART Volume and Mute Control (Resolution:20bits DAC, MAX. 2Vrms)
RS-232C	9 PIN Male Socket
S/PDIF	Digital Audio Output, Fiber-Optic (Resolution: 20 bits)
USB	USB 2.0 Device (connectable to the USB of PC)
Power Supply	
Input Voltage	90-250V a.c., 50/60Hz
Type	Switching Mode Power Supply (SMPS)
Power Consumption	Operation-Max 23 W Standby-Max 14 W
Protection	Separate internal fuse & Lightning protection

16. Specification

Physical Specification	
Size	380 mm x 78 mm x 281 mm
Weight (Net)	3.7 kg
Operating Temperature	0 ℃ to + 45 ℃
Storage Temperature	-10 ℃ to + 70 ℃

17. Glossary

1. **Coaxial cable**
   A specially designed and shields cable that can transport signals with high frequency.
2. **Frequency**
   The property of a signal measured in cycles per second (=Hz).
3. **FTA (Free- To-Air)**
   An unscrambled broadcast allowing customers to view channels or services without paying any subscription.
4. **HDD (Hard Disk Drive)**
   The primary computer storage medium, which is made of one or more aluminum or glass platters, coated with a ferromagnetic material.
5. **MUX**
   The transmitter/frequency/channel where the programme provider/operator transmit a package of digital channels/services. Usually there are several MUX frequencies with different or same content.
6. **Network**
   The collection of channels/services that a programme provider/operator offer. These services may be transmitted from one or several MUXes. In the transmitted data stream the operator may transmit a service information table(network information) that informs the product about all available services in the network.
7. **OSD (On Screen Display)**
   OSD displays the basic information necessary for the users to configure monitor or TV settings. OSD information may include brightness, contrast, tuning, RGB adjustment, and screen size and position.
8. **OTA (Over The Air)**
   A standard for the transmission of software for equipment, through a broadcast system. Manufacturers reserve the right for deciding the release of the software for their products.
9. **PIP (Picture In Picture)**
   A function that allows you to display 2 different TV channels (or TV inputs) on one screen.
10. **RF (Radio Frequency)**
    Television signals are modulated onto RF signals and are then demodulated by your television's or STB's tuner.
11. **SCART**
    A 21-pin connector standard to connect two pieces of Audio-Visual equipment such as a TV and a VCR. Each device will have a 21-pin female connection; a cable with male connection at both ends is used for connecting the devices.

17. Glossary

12. S/PDIF (Sony/Philips Digital Interface format)
A standard format for the transfer of digital audio signals. It allows the transfer of digital audio between two devices without any conversion to and from analogue, which could degrade the signal quality.

13. Trick-Play
Pause, Fast Forward/Fast Rewind, Slow Motion, Instant Replay, Instant Skip, Repeat A-B.

14. TSR (Time Shifted Recording)
A function that record the present programme temporarily to support trick-play.

18. Service and Support

Information concerning troubleshooting, software upgrade and product support is provided in the following websites and call centers.

Should your product require warranty service, please contact HUMAX to obtain the appropriate authorization.

HUMAX Call Center

Nederland	
Tel:	040-2306250
FAX:	040-2306475
Opening Hours:	9:00-17:00 u. (ma-vr)
Adres:	Copaco Revah Telecom, Wekkerstraat 25, 5652AN Eindhoven Postbus 7905, 5605SH Eindhoven
E-mail:	info@myhumax.nl
Internet:	http://www.myhumax.nl
Language:	Dutch/English

Note: For hardware repair, please visit our website.

www.humaxdigital.com

RoHS/Manual/iPVR9200C/200GBNL

20000-5470PT